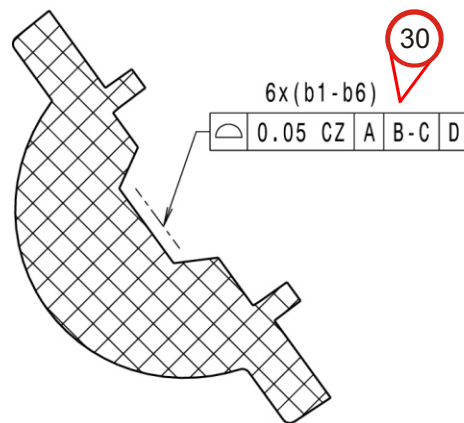
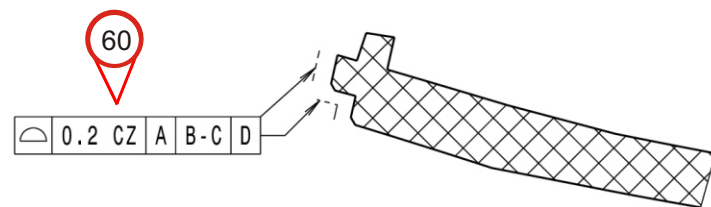


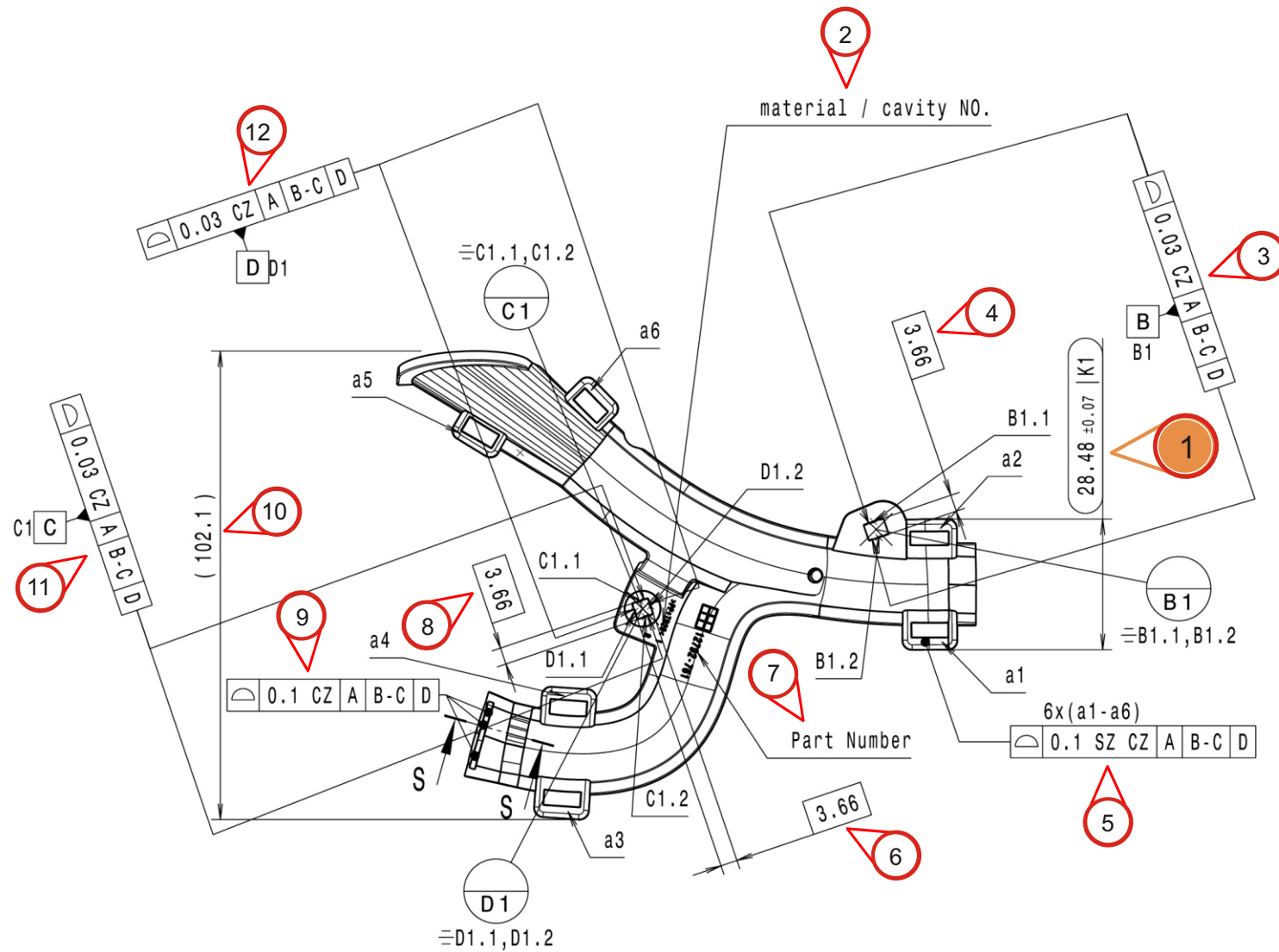
Section cut G-G
Scale: 5:1



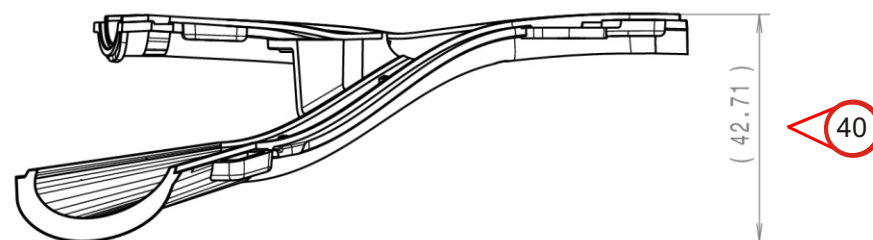
Section cut H-H
Scale: 5:1



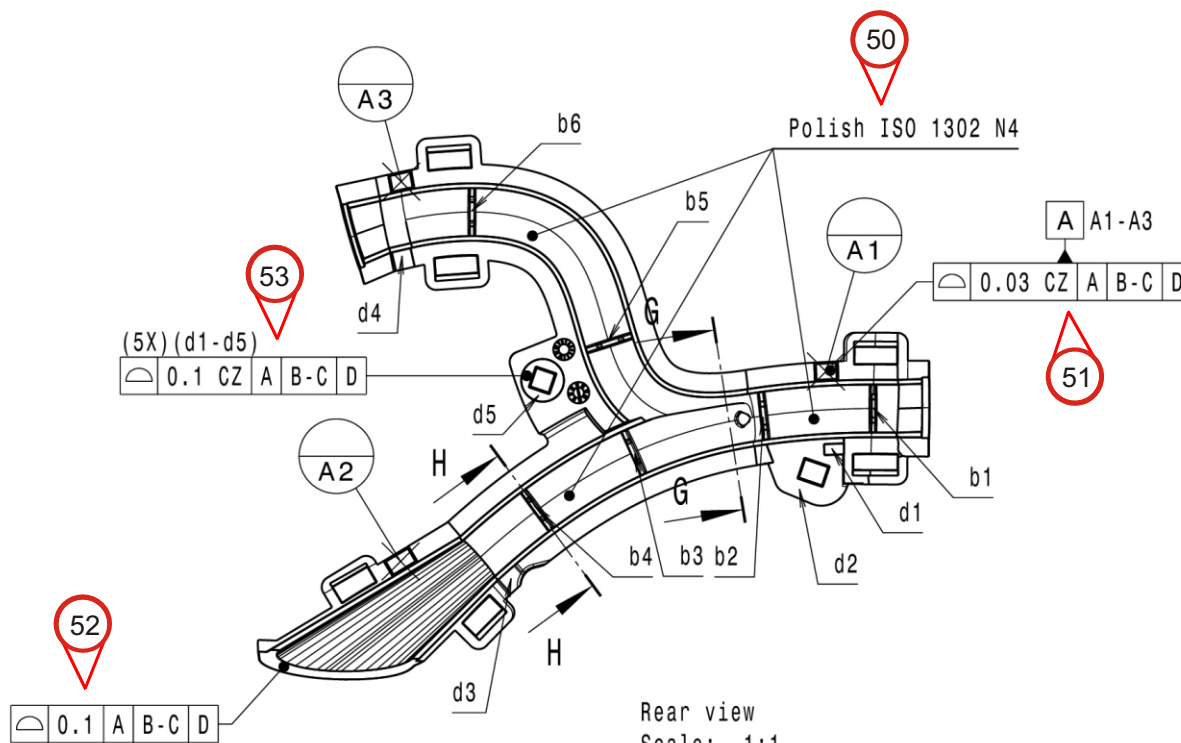
Section cut S-S
Scale: 5:1



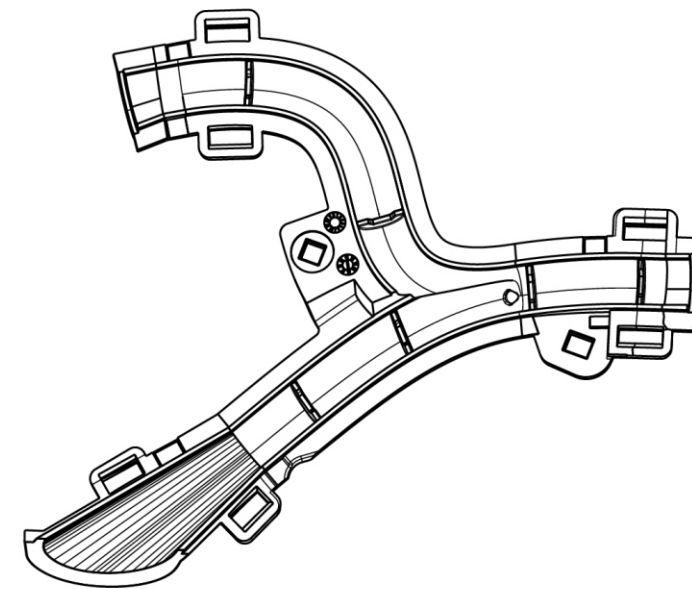
Front view
Scale: 1:1



Top view
Scale: 1:1



Rear view
Scale: 1:1



Isometric view
Scale: 1:1

Specific Quality Requirements		(Only for external supply)	
Initial sample process according to:		Applicable Preh Quality Standard Purchasing:	
<input type="radio"/> VDA Volume 2	<input checked="" type="radio"/> AIAG	<u>MP_03</u> Actual Version	
Customer Standards and Requirements			
Applicable specifications to be considered:		Submission specifications to be documented:	
GS 93008 GS 93016			
Packaging according to Packaging Specification Data (PSD)		<input type="radio"/> Additional external PSD available	
Packaging according to Preh Packaging Guideline		<input type="radio"/> Expendable Packaging	<input type="radio"/> Returnable Packaging
<input checked="" type="radio"/> ESD-Protection DIN EN 61340-5-3 D Max. quantity of parts per smallest packaging unit: _____			
<input type="radio"/> Bulk Material (No Special Requirements)		<input checked="" type="radio"/> Packaged in PE-Bag / Heat Sealed	
<input type="radio"/> On Reel (max. Ø800 mm)		<input type="radio"/> Special packaging according to special agreement	

- 100 Non marked sharp edges may feature a maximum radius of R=0.3 mm. T100
- 101 In the support area, engaging area, guiding area and areas used for datums, ejector marks and burrs are not allowed. T101
- 102 Surfaces identified as guiding areas must be manufactured by HSC (tool). If this is not possible the tool surface can be done by eroding with an additional polishing in demolding direction or with a smooth eroding process in respect to Reference 20 referring to VDI 3400. T102
- 103 No demolding slants in the guiding area! T103
- 104 Gate mark, shape and arrangement of the ejector, mold to mold face as well as size and position of the mold cavity have to be allowed by the product engineering.
- 105 The parts have to be free from burrs, cracks, bubbles, sink marks and flow lines and may not feature contamination (like mold release agent, oil etc.) (Limit sample about acceptable discrepancies will be agreed separately). T104
- 106 The component dimensions must still be within the drawing tolerances even after passing through the operating temperature range (-40 °C to +90 °C) when measured in the standard climate conditions. For compliance with this requirement, the process parameters, such as tool temperature and injection parameters, must be set accordingly.

Part measurement according to following additional Preh requirements: "GD&T 3D-Scan"

Depending on part geometry and tolerance specifications either by optical 3D-Scan or computer tomography (CT). The measuring areas and datums for measurement shall be taken from the 3D-model (.CATPart). According to GD&T 3D-Scan Preh Requirements" they shall be completely verified on the actual part geometry. For every measuring area at least 80 % of the given area has to be checked within the measuring.

Measurement alignment:

A B-C D

Part has to be measured in a measurement device!

X	X	2	-	Update based on DFM	----	2025-12-17	
X	X	1	-	Update based on review	----	2025-10-10	
2D	3D	Index	Count	Change Description		Change Number	Date
Surface:				SPC Dimension:	IK_	Project Number:	10660
Material:				PP-TD20 Black PRET A5132T	Material Number:		Volume: mm ³
General Tolerance:				ISO 20457-TG4	Technical Reference:	Xibin Xu	Scale: 1:1 (5:1)
Part Number:				12792-761/0000	3DX Name:	drw-72901849-00027671	Dimensional Unit: mm
					CAD-System:	CATIA V5 R34 SP3	Projection:
					The 3D model is binding.		
Title:				Y Housing NB5 RR			
Approval Date:		2026-01-04		Approved By:	X. Xu	Creator:	Q. Li
ZHOU_W1 12.01.2026 10:27:03 Norm.: GE_M1 12792-761/0000 Y Housing NB5 RR 501161434 AV 20260104 02 E2501161434							